

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claim 1 and ADD claim 11 in accordance with the following:

1. (CURRENTLY AMENDED) An information processing apparatus, having an object network as a language processing function and a common platform as an interface function with clients, for executing processes using an interface with concerned parties of the process and / or an environment, comprising:

~~the object model~~ an object contained within the object network having a hierarchical structure composed of[[.]]

a data model representing an attribute structure as a set of templates;

an object model as a higher model than the data model;

a role model as a higher model than the object model, the role model

representing the content of a process to be executed in the environment as a set of a plurality of object models; and

a process model as the highest model, the process model defining a dynamic process cooperatively executed by a plurality of role models as one process.

2. (ORIGINAL) The information processing apparatus as set forth in claim 1, wherein the object model has:

a format model representing a pattern of a noun object and a verb object;

a feature model representing a feature of the object corresponding to an attribute value of the object and having a constraint condition corresponding to the environment; and

an object network model having a graph structure of which the name of the noun object is represented as a node and the name of the verb object is represented as a branch.

3. (ORIGINAL) The information processing apparatus as set forth in claim 1, further comprising:

a process function kernel portion for executing a controlling process performed with an intervention of a user of the information processing apparatus using the name of a

concerned party for the process of the object network and the name of a work performed by the concerned party.

4. (ORIGINAL) The information processing apparatus as set forth in claim 1,
wherein the specifications of the data model, the object model, and the role
model are statically defined, and
wherein the specifications of the process model are dynamically defined so that
the validity of the process performed in the set of the plurality of object modes is assured
corresponding to a consistency constraint entity defined as an attribute of an object.

5. (ORIGINAL) The information processing apparatus as set forth in claim 4, wherein an
inconsistent constraint entity corresponding to the process model describes a validity predicate
about the validity of the process and a control state for executing the process.

6. (ORIGINAL) The information processing apparatus as set forth in claim 1,
wherein the hierarchical structure is further composed of:
a reference model for accomplishing a basic service to be executed in the
process of the object network, the reference model being orthogonal to the hierarchical structure
of the data model, the object model, the role model, and the process model.

7. (ORIGINAL) The information processing apparatus as set forth in claim 6, wherein
the concerned party of the process and the process function kernel portion of the information
processing apparatus use a reference driving function so as to accomplish a service of the
reference model.

8. (ORIGINAL) The information processing apparatus as set forth in claim 6, wherein
the specifications corresponding to a change of the environment are separately described as
static adaptation specifications and dynamic adaptation specifications as a service
accomplished with the reference model.

9. (ORIGINAL) The information processing apparatus as set forth in claim 1, further
comprising:

a WELL system as software using the object network and the common platform;
and

software exporting means for exposing the WELL system to another software.

10. (ORIGINAL) The information processing apparatus as set forth in claim 1, further comprising:

system structure designing means for designing a system structure in such a manner that noun objects and verb objects that compose the object network correlate with data paths as keywords of the system structure.

11. (NEW) At least one computer readable medium storing an object network of hierarchically arranged models, comprising:

data models;

object models at a higher level than the data models;

role models at a higher level than the object models, each defining at least one operation using a set of the object models; and

at least one process model, each defining a dynamic process cooperatively executed by a set of the role models.